, Page 1

Tuesday, June 28, 2011 10:15:16 AM

_	
Itam	un.
nem	117:

D3391-023

Accept



Setup Start

Stop



Revision ID:

Item Name:

Mid Tube Assembly

Start Date:

6/28/2011

Start Qty: 1.00

Required Date: 7/27/2011

Req'd Qty: 1.00



Date:

Cust Item ID: Customer:

Reference:

Approvals:

Process Plan: MF

QC:

Date: 11-06-28 Tooling:

Date:

Date:

Run

Qty

Start

Stop



Sequence ID/

Operation Description Set Up/ **Run Hours**

SPC (Y/N):

Tool ID

Tool # Plan

Code

Accept Reject Qty

Reject

Insp. Number Stamp

Work Center ID Draw Nbr

Revision Nbr

D3391

Rev H

100

Skidtubes

Skidtubes

Skidtubes

Memo

0.00

0.00

1-Cut tube to finish length as per Dwg D3391

2-Identify as D3391-023

3-Drill pilot holes using DT8796 (Do not drill "B" holes) and drill only 1 fwd saddle hole on one side only as per Dwg D3391

4-Open saddles and GHW holes to Ø0.375" exept for fwd saddle hole of detail

5-Remove .030" from Fwd indexing Ridge as per Dwg D3391

6-Remove indexing ridge on Fwd & Aft end of skidtube as per Dwg D3391

7-Deburr

8-Drill #30 pilot holes using wearplate Jig DT8217 Identify Ø0.250" holes with paint marker,

9-Open wearplate holes of D3391-023 assembly detail section G-G to Ø0.250" (14 holes) as per Dwg D3391 and 2 holes in section Detail "J", do not open wearplate holes of section "J"

10-Open wearplate holes of D3391-023 assembly detail section H-H to (20 holes) as per Dwg D3391 Ø0.297"

W/O:			WC	RK ORDER CHANGES	3		to Car	•	
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			4. 4 1				r.	•	i e
	·							,	· • • • • • • • • • • • • • • • • • • •
							- •		
· · · · · · · · · · · · · · · · · · ·									
Part No		PAR #:						_ Date: _	
	R	esolution:	Disposition: QA			osed:	<u> </u>	Date: _	
NCR:				ER NON-CONFORMAN	CE (NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng		Sign & Section C			Approval QC Inspector
	-								
									~
***		. 't		Missa.					

Tuesday, June 28, 2011 10:15:16 AM



Page 2

Item ID:

D3391-023

Accept



Setup Start

Stop



Revision ID:

Mid Tube Assembly Item Name:

Start Date:

6/28/2011

Start Qty: 1.00

Required Date: 7/27/2011 Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:

Date:

Tooling:

SPC (Y/N):

Date: Date: Run

Start

Stop



Sequence ID/ **Work Center ID**

Operation Description Set Up/ **Run Hours** Tool ID

Tool # Plan

Accept Code Qty

Reject Qty

Reject Number Stamp

Insp.

11-Open .375" holes to .438", ***do not open fwd saddle holes***

12-Locate D3391-021 in D3391-023 at 9.00" (see view z-z)

13- Transfer drill one fwd saddle hole only to .188" dia, transfer drill all remaining fwd saddle holes using DT 8149 locating from previusly drill 188" dia hole, using t-pins and clicos to ensure perfect allingment, open up previusly tranfer drilled pilot holes in D3391-023/-021 to 0.438" dia. in D3391-021

14- Transfer drill 2 wearplate holes into D3391-021 using DT8217, locating from two previusly drilled holes, drill remaining wearplate holes into D3391-021.

15- Locating from two fwd wearplate holes drilol remaining 6 wearplte holes in D3391-021 using DT8937

16- Open 2 fwd wearplate holes in D3391-023 to .250" dia.

17- counterbore two aft wearplate holes in D3391-021 as per dwg

18- Open 12 wearplate holes in D3391-021 to 0.297" dia.

19-Deburr and blow out all chips from inside tube

W/O:	-		WC	RK ORDER CHA	NGES		····			
DATE	STEP	PRO	CEDURE CHAI		ITGES	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
				***************************************		\$4. \$70.			r rou wg	·
				•					į	
		: *								
								1		
Part No	:	PAR #:	Fault Cate	gory:	NCI	R: Yes	No DQ	A:	_ Date: _	
	R	esolution:	Disposition	n:	QA	N/C Clo	sed:		Date: _	
NCR:		V	WORK ORD	ER NON-CONFOR	RMANCE	(NCR)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Action Descripti Chief Eng	Section B on	Sign & Date	Verific Secti		Approval Chief Eng	Approval QC Inspector
-					0					-
				•						
						·				
					ی			1		

Work Order ID 71330 Tuesday: June 28, 2011 10:15:17 AM

Quality Control



Page 3

Item ID: D3391-023 Accept Setup Start **Revision ID:** Stop Mid Tube Assembly Item Name: **Start Date:** 6/28/2011 Start Qty: 1.00 Cust Item ID: Required Date: 7/27/2011 Req'd Qty: 1.00 **Customer:** Reference: Run Start Approvals: Date:_____ Tooling: Process Plan: Date: Stop Date: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Reject Insp. **Work Center ID** Description Run Hours Code Qty Qty Number Stamp 110 QC5- Inspect part completeness to step on W/O Memo Quality Control 120 Chemical Conversion Coat per QSI005 4.1 0.00 HandFinish 0.00 Memo Hand Finishing 11-9-19 130 QC3- Inspect Part Finish 0.00 0.00 Memo

				•					
W/O:			ŴĊ	RK ORDER CHANGE	S	·		-	
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	Bray s			
•		·							
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	Date: _	
		esolution:							
NCR:			WORK ORD	ER NON-CONFORMAN	NCE (NC	?)			-
DATE	STEP	Description of NC	Initial	Corrective Action Section Action Description	Verification Verification				Approval
		Section A	Chief Eng	Chief Eng	Date		ion C	Chief Eng	QC Inspector
a-mage									
							;	:	



Page 4

Item ID:

Tuesday, June 28, 2011 10:15:17 AM

Accept



Setup Start



Revision ID:

Item Name:

Mid Tube Assembly

Start Date:

6/28/2011

D3391-023

Start Qty: 1.00

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date:_____

Tooling:

Run

Start

Stop

Stop



Sequence ID/

Required Date: 7/27/2011

QC:

Operation

Skidtubes

Description

Date:____

SPC (Y/N):

Set Up/

Run Hours

Tool ID

Tool # Plan

Date:

Date:

Accept Qty

Reject **Qty**

Reject Number Stamp

Insp.

140

-Work Center ID

Skidtubes

Skidtubes

Memo

1-Open float bag holes as per dwg 2-C'sink float bag holes as per dwg

3- Prepare tube for welding

4-Bond web in place as per Dwg D3391 & QSI 015.

Adhere for 12 hours)

A/R Sikaflex exp: 12-4-5 batch#: M118303

0.00

0.00

Code

150

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

Memo

Memo

0.00

160

Skidtubes

Skidtubes

0.00

0.00

Skidtubes

1-Weld crossbolt spacer as per dwg D3391 & QSI 004

2-grind weld flush

M118736

W/O:		A STATE OF THE STA							
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						·		·	
		· · · · · · · · · · · · · · · · · · ·							
Part No	•	PAR #:	Fault Cate	gory:	NCR: Yes	No DQA	\;	_ Date: _	
	R	esolution:						Date: _	
NCR:			WORK ORD	ER NON-CONFORMAL	NCE (NCR)			
DATE	STEP	Description of NC Section A	Initial	Corrective Action Section Action Description	n B │ Sign &	Verific		Approval	Approval
		Section A	Chief Eng	Chief Eng	Date	Section	on C	Chief Eng	QC Inspector
	4	·							
ess (4	`							

Tuesday, June 28, 2011 10:15:17 AM



Page 5

Item ID:

D3391-023

Accept

Setup Start

Stop



Revision ID:

Item Name: Mid Tube Assembly

Start Date:

6/28/2011

Start Qty: 1.00

Required Date: 7/27/2011 Req'd Qty: 1.00 **Cust Item ID: Customer:**

Reference:

Approvals:

QC:

Process Plan:

Date: _____

Date: _____

Tooling:

SPC (Y/N):

Date:

Date:

Run

Start

Stop



Sequence ID/ Work Center ID

170

Quality Control

Operation Description

QC10- Inspect visual per QSI004- ground welds

Memo

Set Up/ **Run Hours**

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

180

QC

Quality Control

QC5- Inspect part completeness to step on W/O

0.00

185

HandFinish Hand Finishing Pressure Wash per QSI005 4.3

Memo

0.00

Memo

0.00

AND REALODINE AS PER PAR09-043

1X Ø M-Lu/04/26

W/O:			W	ORK ORDER CHANG	ES					
DATE	STEP	PRO	CEDURE CHA	ANGE	Ву		Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							•			-
									i	
Part No		PAR #:	Fault Cate	egory:	NCR: Y	es N	o DQ /	A:	_ Date: _	
	R	esolution:	Disposition	on:	_ QA: N/C	Clos	sed:		Date:	
NCR:		V	VORK ORD	ER NON-CONFORMA	NCE (N	CR)				
DATE	STEP	Description of NC						ation	Approval	Approval
DAIL	JILI	Section A	Initial Chief Eng	Action Description Chief Eng		gn & ate	Secti	on C	Chief Eng	QC Inspector
							:			
i i										
1	1	I .								ı

Tuesday, June 28, 2011 10:15:17 AM



Page 6

Item ID:

D3391-023

Accept



Setup Start



Revision ID: Item Name:

Mid Tube Assembly

Start Date:

6/28/2011

Start Qty: 1.00

Operation

Description

Req'd Qty: 1.00



Cust Item ID:

Customer:

Tool ID

Reference:

Approvals:

QC:

Process Plan:

Date:

Date: _____ Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Tool # Plan

Code

Date:

Run

Start

Stop



Stop



Insp.

Stamp

Reject

Number

Sequence ID/

Work Center ID

190

Powdercoat

Powder Coating

Required Date: 7/27/2011

0.00

START TIME: OVEN TEMPERATURE: FINISH TIME:

White Gloss(Ref:4.3.5.1) per QSI005 4.3-Alum

200

Quality Control

QC3- Inspect Part Finish

0.00

Memo

0.00

Reject

Qty

Accept

Qty

	•								
W/O:			V	ORK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
								:	·
				e e e e e e e e e e e e e e e e e e e					
									
			· · ·				<u> </u>	,	
Part No	•	PAR #:	Fault Ca	tegory:	NCR: Yes	No DQ	A:	Date:	
	Resolution:			ion:	_ QA: N/C C	losed:		Date: _	
NCR:	•	1	WORK OR	DER NON-CONFORM	ANCE (NCI	7)		,	
DATE	STEP	Description of NC			ion B	Verifi	cation	Approval	Approval
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 6 Date		ion C	Chief Eng	QC Inspector
		· *							
				•					
	·								
-							······		
								1	
								ļ	

Tuesday, June 28, 2011 10:15:17 AM



Page 7

Item ID: D3391-023 Accept Setup Start **Revision ID:** Stop Item Name: Mid Tube Assembly Start Oty: 1.00 Start Date: 6/28/2011 **Cust Item ID:** Required Date: 7/27/2011 Req'd Qty: 1.00 **Customer:** Reference: Start Run Process Plan: Date:_____ Tooling: **Approvals:** Date: Stop Date: _____ QC: SPC (Y/N): Date: Sequence ID/ Operation Set Up/ Tool ID Tool # Plan Accept Reject Work Center ID **Description Run Hours** Code Qty Qty 210 0.00 Skidtubes Skidtubes 0.00 Memo Skidtubes 1- insert D3391-021 into D3391-23 insert T-pins into first and third fwd saddle holes 3- ON FIRST SIDE ONLY drill out 2nd and forth fwd saddles holes to 0.500" as per DSI 9364 4- remove T-pins and locate DT9415 from first and third crossbolt hole using Tpins and clekos 5- ON 2ND SIDE ONLY ream out 2nd and forth saddle hole to 0.499". Remove DT9415 _6- deburr, re-alodine and blow out chips

220

Memo

Quality Control



Reject Number Stamp

Insp.

· p M · Moglzr.

7- press fit D3591-1 spacers using DT9416 starting from 0.500" side

QC5- Inspect part completeness to step on W/O

0.00

0.00

SWorbs

W/O:			 						
DATE	STEP	PRO	CEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		4							
·									
Part No	•	PAR #:	_ Fault Cat	legory:	_ NCR: Yes	No DQ	A:	Date:	
	R	esolution:	Dispositi	ion:	_ QA: N/C CI	osed:		Date:	
NCR:		V	ORK ORI	DER NON-CONFORMA	NCE (NCF	R)			-
DATE	STEP	Description of NC		Corrective Action Section		Verific	cation	Approval	Approval
DAIL	OIL.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Secti	on C	Chief Eng	QC Inspector
		,						-	
									·

Tuesday, June 28, 2011 10:15:17 AM



Page 8

Item ID:

D3391-023

Accept

Setup Start



Revision ID:

Start Date:

Item Name: Mid Tube Assembly

6/28/2011

QC:

Start Qty: 1.00

Required Date: 7/27/2011

Req'd Qty: 1.00



Cust Item ID:

Customer:

Reference:

Approvals:

Process Plan:

Date: Date:

Tooling:

SPC (Y/N):

Date: Date: Run

Stop

Start

Sequence ID/ Work Center ID

230

HandFinish

Description

Operation

HandFinishing

Memo

Memo

Set Up/ **Run Hours**

0.00

0.00

Tool ID

Tool # Plan Accept Code **Qty**

Reject Qty

Reject Number

Insp. Stamp

Hand Finishing

Install Inserts as per Dwg

240

QC

Quality Control

QC5- Inspect part completeness to step on W/O

Identify as per dwg & Stock Location:

0.00

0.00

5 Worlzs

250

Packaging Packaging

Memo

0.00

D412-742-043/371328

0.00

W/O:			WC	RK ORDER CHANG	SES			•		
DATE	STEP	PRO	CEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			•							
				,			,			, .
Part No		PAR #:	Fault Cate	gory:	NCR	l: Yes	No DQ	A:	_ Date: _	
	R	esolution:	Disposition	QA:	N/C Cld	sed:		Date: _		
NCR:		1	WORK ORDI	R NON-CONFORM	ANCE	(NCR)			
DATE	STEP	Description of NC			tion B		Verific	ication Approval		Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Sect	ion C	Chief Eng	QC inspector
·										

Tuesday, June 28, 2011 10:15:17 AM



Page 9

Item ID:

D3391-023

Accept

Setup Start

Stop



Revision ID:

Item Name:

Mid Tube Assembly

Start Date:

6/28/2011

Start Qty: 1.00

Required Date: 7/27/2011 Req'd Qty: 1.00

Cust Item ID:

Date:

Date:

Customer:

Reference:

Approvals:

Process Plan:

QC:

Operation

Description

QC21- Final Inspection - Work Order Release

Date:

Date:

Tooling: SPC (Y/N):

Run

Stop

Start



Sequence ID/

Work Center ID

260

Memo

Run Hours

Set Up/

0.00

Tool ID

Tool # Plan Code

Accept Qty

Reject Qty

Reject Insp.

Number Stamp

Quality Control

0.00

	•				•		1				
W/O:			WORK ORDER CHANGES								
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector			
· ···································	·										
Part No		PAR #:	Fault Cat	egory:	NCR: Yes	No DQA :	Date: _				
	R	esolution:	Dispositi	on:	QA: N/C CI	osed:	Date: _				
NCR:			WORK ORE	DER NON-CONFORM	ANCE (NCF	R)					
DATE	STEP	Description of NC		·	tion B	Verificatio	n Approval	Approvai			
	OIL.	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date	Section C	Chief Eng	QC Inspector			
1											
							<u> </u>				

Picklist Print

Tuesday, June 28, 2011 10:15:14 AM

Work Order ID: 71330

Parent Item: D3391-023

Parent Item Name: Mid Tube Assembly

Start Date: 6/28/2011

Start Qty: 1.00

Required Date: 7/27/2011

Page 1

Required Qty: 1.00

Comments:

IPP A□05.10.20□New Issue□

IPP B□06.02.10□ECN773 dwg rev.D

 $EC\Box$

IPP C 07.03.20 rev F dwg IPP D 07.03.28 re-format

EC

KJ/EC□

EC

IPP E 07.10.31 ecn 1053P

EC

IPP Rev:F ECN 1056 07-11-13 DD verified by: EC

IPP Rev:G 08-09-08 new process (ecn 08-510) DD verified by:EC

IPP Rev:H 08-09-10 revH as per dwg DD verified by:EC

IPP Rev: I 08-11-13 Removed steps per w/o, QC KJ verified by: ec IPP

Rev:J add in seq 140 expire date &b# sikaflex DD 10.02.17 verified by:EC

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
D2500-1-100 Skidtube Extrusion		Manufactured	No			100	Each	82.0000	1	1 .			SL,
				Location		Loc	e Qty	Loc Code				•	11/04/29.
				HALL			82		_		_		<i>(t</i>
					37065 50251		7 75		-	ι	_		
D3391-021 Fwd Tube Assembly		Manufactured	No			100	Each	0.0000	1	1 371732	طل ك	(x1)	11/1/04/28
D3389-1		Manufactured	No			140	Each	0.0000		1		N	11-9-19
Web D3681-1		Manufactured	No	B	72165	160	Each	24.0000	5	5 V		H BG	21/09/21
Spacer				<u>Location</u>		Loc	<u>e Qty</u>	Loc Code			\mathscr{L}	7184	15 46
		•-		LG			24				_		
			•		68958 69893		2 22		_		_		

Duit Noi	Copacc	Eta						i		
W/O:			WO	RK ORDER CHANG	ES		-	<u> </u>		
DATE	STEP	PR	OCEDURE CHAI	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector	
· .										
Part No		PAR #:	Fault Cated	iorv:	NCR: Yes	No DO	A:	Date:	,	
	Resolution:									
NCR:			WORK ORDE	R NON-CONFORMA	ANCE (NC	R)				
DATE	STEP	Description of NC Section A					cation ion C	Approval Chief Eng	Approval QC Inspector	
						1				
				· · · / · · · · · · · · · · · · · · · ·			<u></u>			
-									; - -	

Picklist Print

Tuesday, June 28, 2011 10:15:14 AM

Page 2

Work Order ID: 71330

Parent Item:

D3391-023

ALS-7-1032-130

Parent Item Name: Mid Tube Assembly



Start Date: 6/28/2011

Required Date: 7/27/2011

Start Qty: 1.00

Required Qty: 1.00

D3591-1

Bushing

Manufactured No 210

Each

27.0000

ALS4-1032-130

Purchased No

Location Loc Oty ST068 27 2 57350 66147 25 230 Each

1,122.000

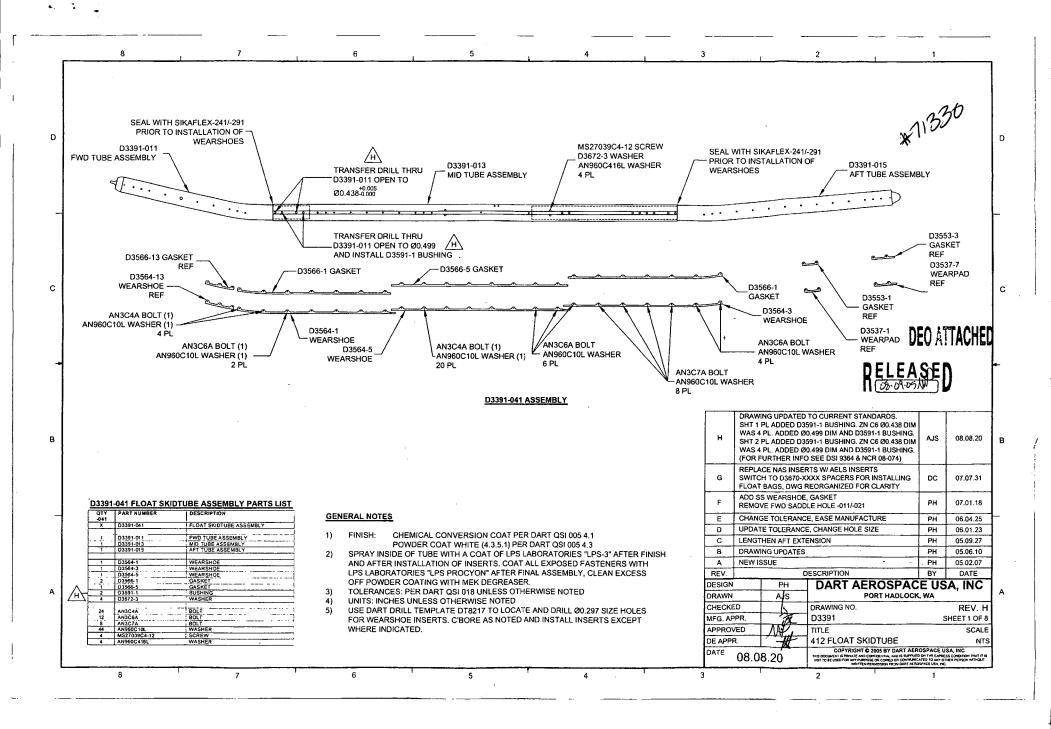
Loc Code

20

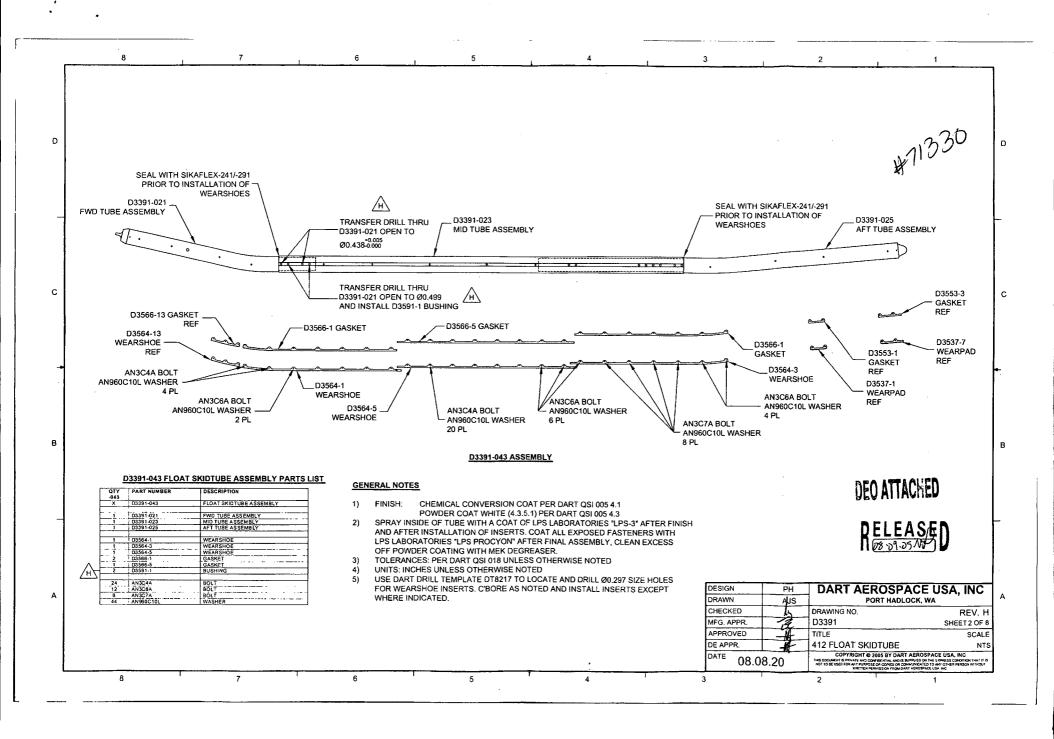
20

Location Loc Qty ST281 8 117331 8 ST282 1114 117717 1114 Loc Code

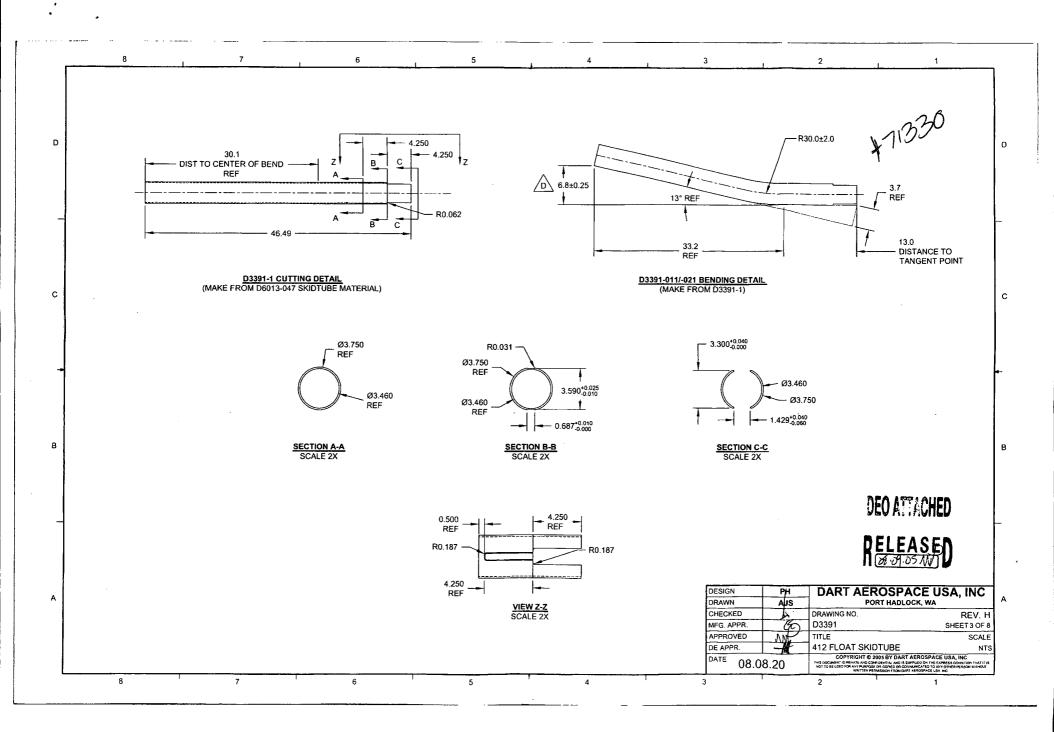
W/O:			WORK ORDER CHANGES									
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	D	ate	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector		
		·					·			!		
		· · · · · · · · · · · · · · · · · · ·										
Part No:	·	PAR #:	Fault Cat	Fault Category: NCR: Yes No DQA:					Date:			
Resolution:			Dispositi	on:	_ QA: N/C	Close	d:		Date:			
NCR:			WORK ORE	DER NON-CONFORMA	ANCE (N	CR)	•					
DATE	STEP	Description of NC	on of NC Corrective Action				Verifica	ation	Approval	Approval		
DAIL	SILI	Section A	Initial Chief Eng	Initial Action Description Chief Eng Chief Eng			Sign & Section C		Chief Eng	QC inspector		
		•						•	 1 1			
							•	•				
								-				
									<u> </u>			



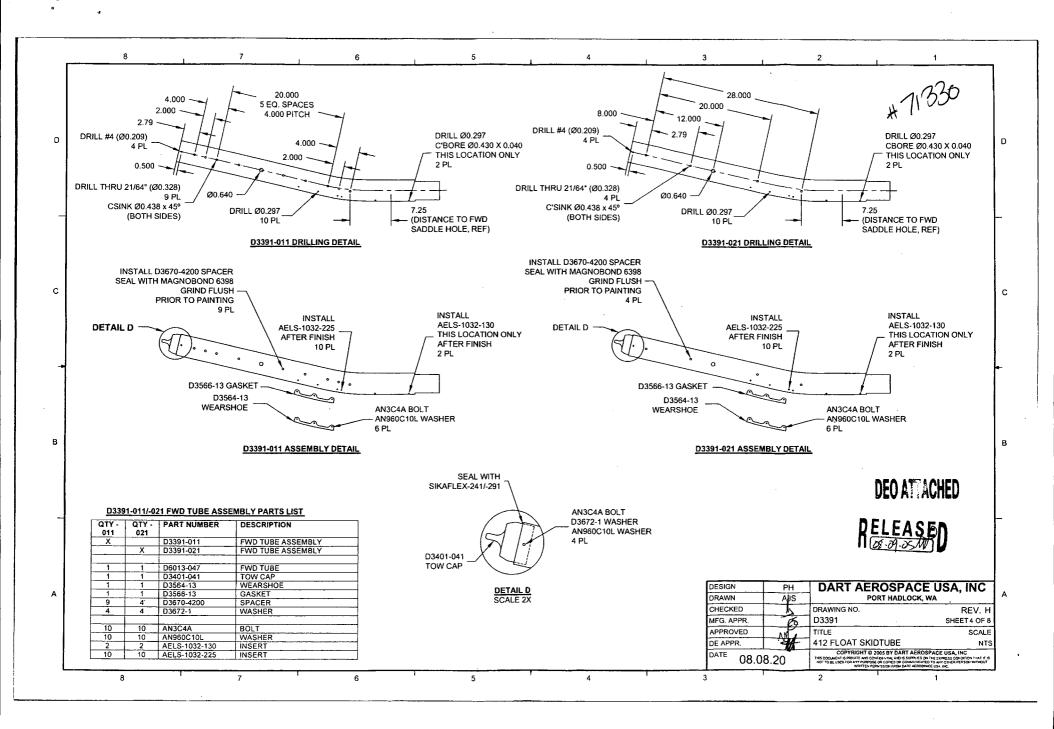
	Johago								•
W/O:		!	WO	RK ORDER CHANGE	S		**		,
DATE	STEP	PR	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			• • • • • • • • • • • • • • • • • • • •						
Part No	•	PAR #:	Fault Categ	ory:	NCR: Yes	No DQ	\ :	_ Date: _	
Resolution:			Disposition	:	QA: N/C Cld	osed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORMA	NCE (NCR)			
DATE	STEP	Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
DAIL	JILF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Section	on C	Chief Eng	QC Inspector
									1 1 1 1
			·	,					
		,							
		ı		,	1				



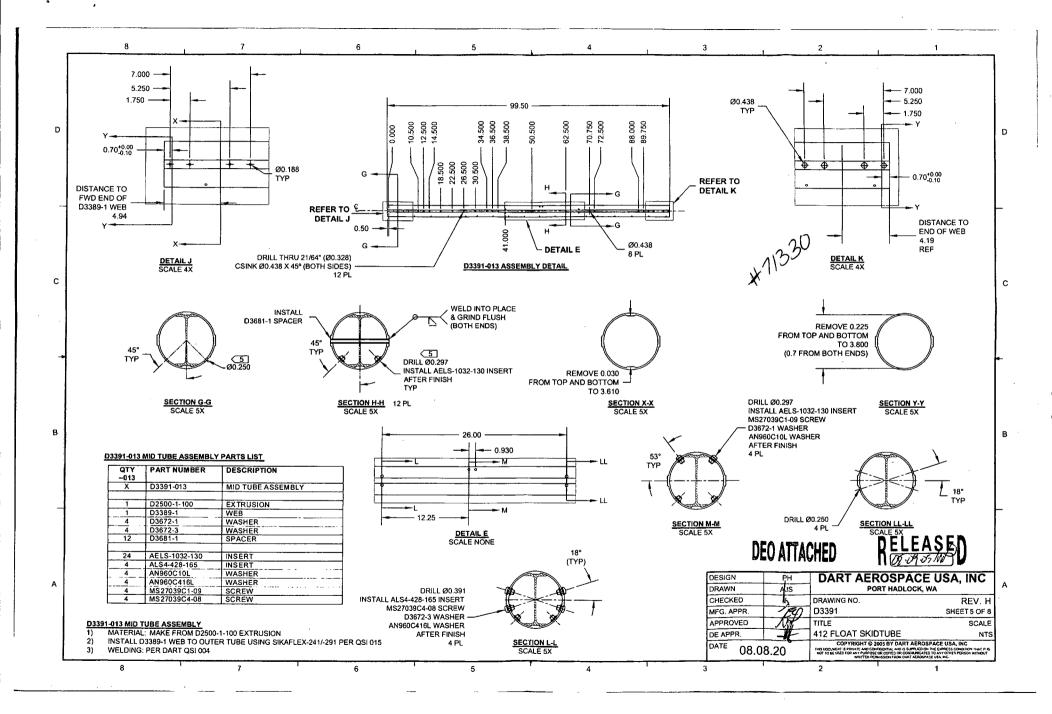
W/O:			W	ORK ORDER CHANG	ES				-	
DATE	STEP	PR	OCEDURE CHA	ANGE	1	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					:					
Part No	:	PAR #:	Fault Cate	egory:	NCR:	Yes N	o DQ	А:	Date:	
	Resolution:									
NCR:			WORK ORE	ER NON-CONFORM	ANCE (NCR)				
DATE	STEP	Description of NC			tion B		Verific	cation	Approval	Approval
DAIL	SIEF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date		ion C	Chief Eng	QC Inspector
	·	:								
		!		·		<u> </u>				
i										



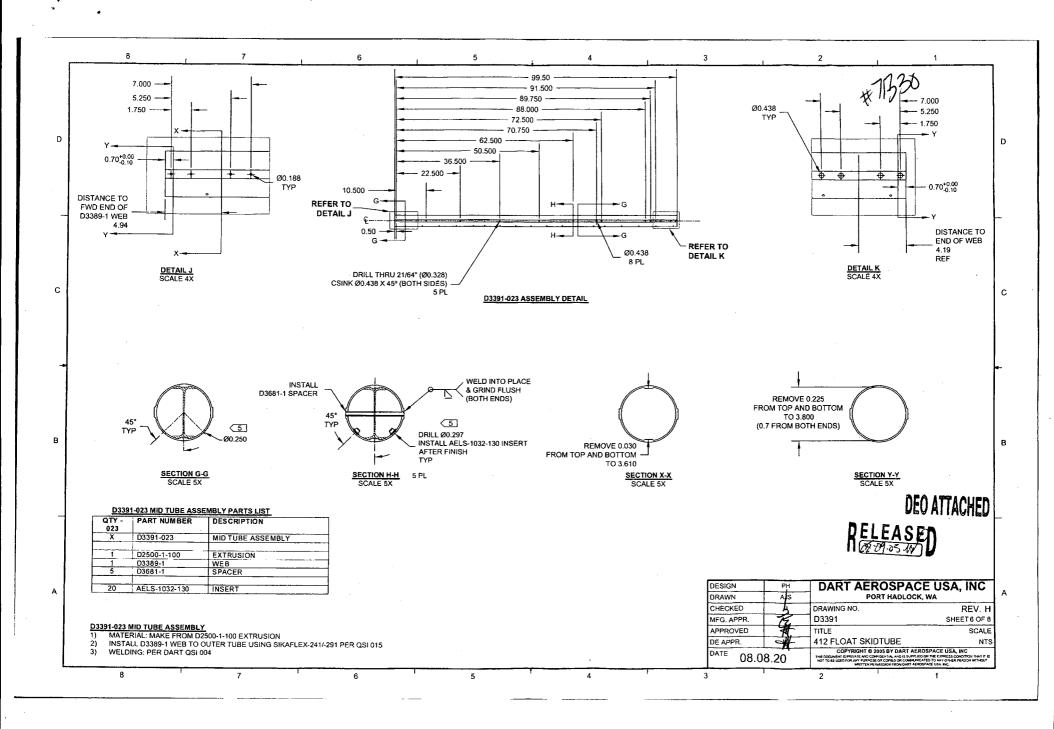
W/O:			WC	RK ORDER CHANG	GES									
DATE	STEP	PRO	PROCEDURE CHANGE						Approval Chief Eng / Prod Mgr	Approval QC Inspector				
	ļ													
Part No	:	PAR #:	PAR #: Fault Category: NC						_ Date:					
	R	esolution:	Disposition	1:	QA:	N/C Clo	sed:		_ Date: _					
NCR:			WORK ORDER NON-CONFORMANCE (NCR)											
DATE	STEP	Description of NC	 		ction B	0! 0	Verificati		Approval	Approval				
	0.2.	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	С	Chief Eng	QC Inspector				
								1		:				
								2						
										:				
														



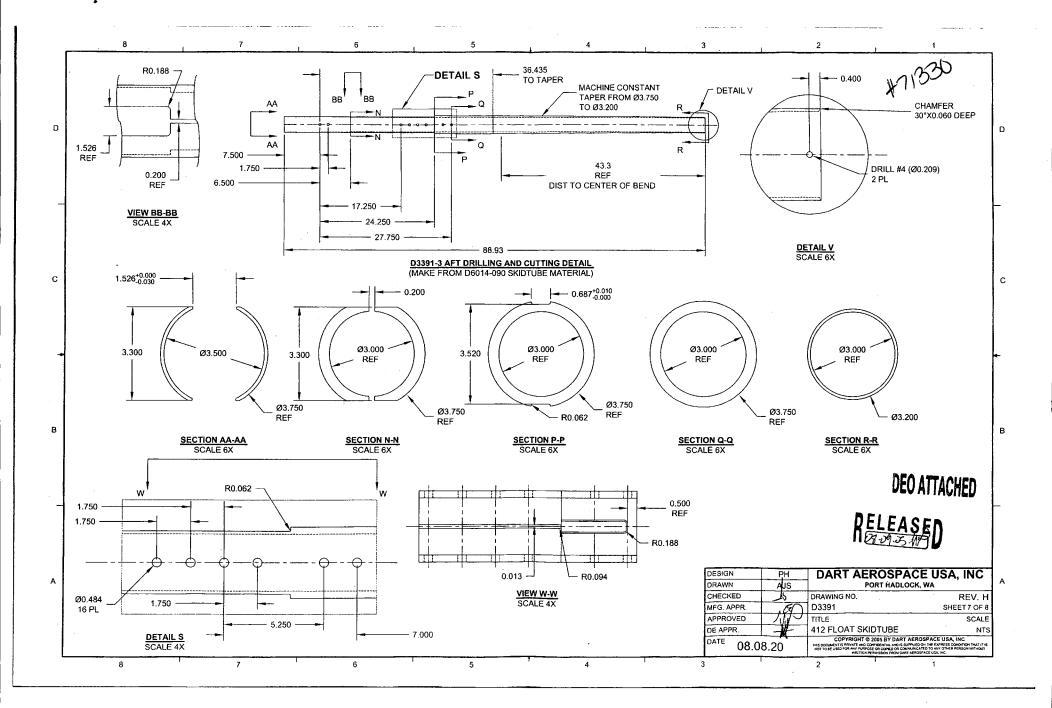
	•	·							•
W/O:			W	ORK ORDER CHANG	GES		· · · · · · · · · · · · · · · · · · ·		
DATE	STEP	PR	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC inspector
								,	
					,				
Dort No.		DAD #	F		NOD W				
Part No		PAR #:							
	R	esolution:						Date: _ 	
NCR:	WORK ORDER NON-CON			ER NON-CONFORM	IANCE (NC	R)			i
DATE	STEP	Description of NC			Veri			Approval	Approval
		Section A	Initial Chief Eng	Action Description Chief Eng	Sign Dat		tion C	Chief Eng	QC Inspector
<u>.</u>									
			Į			1		1	1



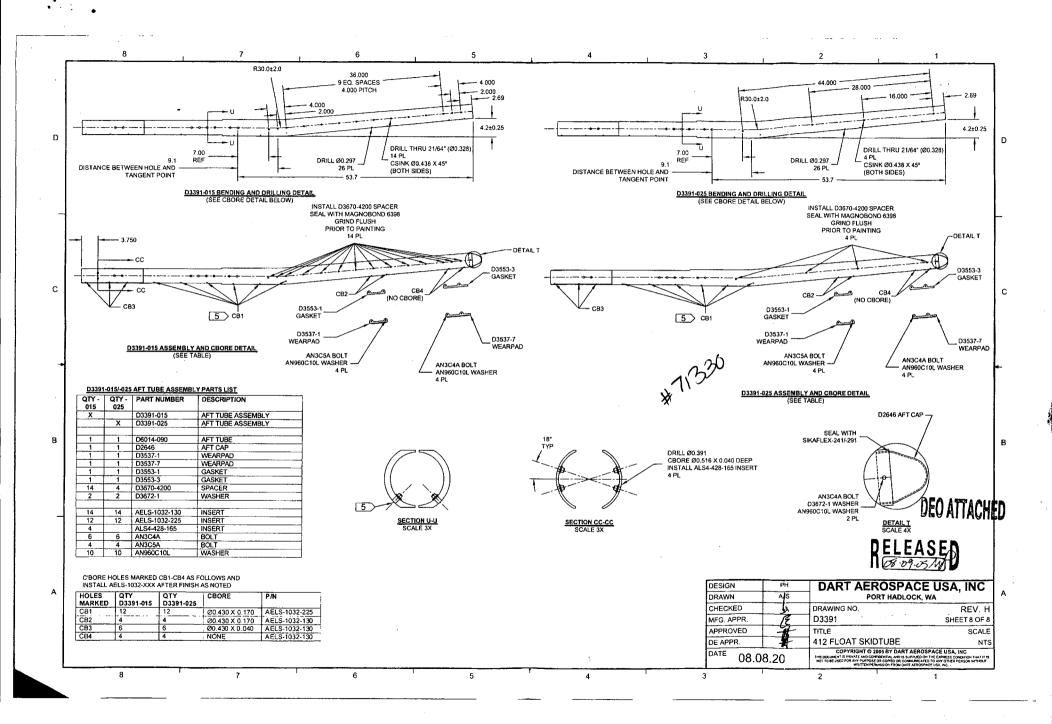
W/O:	·		GES	μ					
DATE	STEP	PROCI	EDURE CH	IANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
						,			
Part No		PAR #:							
	R	esolution:	Disposit	ion:	QA: N/C C	losed:		Date: _	
NCR:	CR: WO			DER NON-CONFORM	MANCE (NC	R)		;	
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Se Action Description Chief Eng	ection B Sign Date			Approval Chief Eng	Approval QC Inspector
									·
							-		
					:		•		3



W/O:															
DATE	STEP	PR	OCEDURE CH	ANGE	В	y	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector					
· · · · · · · · · · · · · · · · · · ·									Prod Wigi	· · · · · · · · · · · · · · · · · · ·					
									i						
										, '					
Part No	:	PAR #:	Fault Cat	tegory:	NCR: \	es N	o DQA	۸:	_ Date: _						
	R	esolution:	tion: Disposition:					QA: N/C Closed: Date:							
NCR:			WORK ORI	DER NON-CONFOR	MANCE (N	ICR)									
DATE	STEP	Description of NC		Corrective Action Sec			Verific	ation	Approval	Approval					
DAIL	SIEP	Section A	Initial Chief Eng	Action Descriptio		gn & Date	Section		Chief Eng	QC Inspector					
							,								
•															



W/O:			WC	ORK ORDER CHANG	GES					
DATE	STEP	PR	ROCEDURE CHA	NGE		Зу	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
			1000							
									· · · · · · · · · · · · · · · · · · ·	
						:				
Part No	•	PAR #:	Fault Cate	gory:	NCR:	Yes N	o DQ	\:	Date:	
•	R	esolution:	Dispositio	n:	QA: N	VC Clos	sed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORM	IANCE (NCR)				
DATE	STEP	Description of NC	scription of NC Section A Initial Action Des			· · · ·	Verific	ation	Approval	Approval
	J.L.	Section A	Initial Chief Eng	Action Description Chief Eng	•	Sign & Date	Section	on 'C	Chief Eng	QC Inspector
		<u> </u>								
								:		



	1240										• •				
W/O:				WORK ORDER CHANGES											
DATE	STEP		PRO	OCEDURE CHAN	IGE	В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector				
		<u>.</u>													
Part No	•		PAR #:	Fault Categ	ory:	_ NCR:	Yes N	o DQA	\ :	_ Date: _					
Resolution:			tion:	Disposition	:	QA: N	C Clos	sed:		Date:					
NCR:				WORK ORDER NON-CONFORMANCE (NCR)											
DATE	STEP		Description of NC		· · · · · · · · · · · · · · · · · · ·	ion B		Verific	ation	Approval	Approval				
DAIL	J.L.		Section A	Initial Chief Eng	Action Description Chief Eng	S	ign & Date	Section	on C	Chief Eng	QC Inspector				
						-									

			·												

DRAWING	NO.	TITLE		REV. H	PART AEROS	PACE USA, IN	IC D.E.O. NO.		SHEET	NO.	SCALE
D3391		412 FLOAT	SKIDTUBE		ENGINEER	ING ORDER	D3391-H-1		SHEET 1	OF, 1	NTS
DRAWN	G.	/	CHECKED	ly .	MFG. APPR.	Δ	APPROVED MA		DE APPR.	#>.	
DATE	09.09	.23	DATE	04.04.24	DATE 09/	09/25	DATE 09/09/2	, D	DATE C	9/09/3	36

PURPOSE:

LPS-3 IS NO LONGER USED DURING ASSEMBLY OF D3391-041/-043 SKIDTUBES.

CHANGE:

AMEND NOTE 2 OF D3391-041/-043 SKIDTUBE ASSEMBLIES (ZN A6-1, A6-2) AS FOLLOWS:

2) SPRAY INSIDE OF TUBE WITH A COAT OF LPS LABORATORIES "LPS-3" AFTER FINISH AND AFTER INSTALLATION OF INSERTS. COAT ALL EXPOSED FASTENERS WITH LPS LABORATORIES "LPS PROCYON" AFTER FINAL ASSEMBLY, CLEAN EXCESS OFF POWDER COATING WITH MEK DEGREASER.

DELEASED 2010 -02- 0 2

ANP.

*11330

	12-0-1		•									e • •
W/O: WORK OR					ORK ORDER	CHANGES	3				<u> </u>	
DATE	STEP			PROC	EDURE CH	ANGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
					-							•
0		,										
				~					,			
							the state of the s	-				
Part No		•	PA	R #:	Fault Ca	tegory:		NCR: Yes	No DQA	\:	Date:	·
	R	esol	ution:		Disposit	on:		QA: N/C CI	osed:		Date: _	
NCR:	NCR: W		W	ORK OR	DER NON-CO	NFORMAN	CE (NCR)				
DATE	STEP		Description of	of NC	Corrective Action Section Initial Action Description				Verific	ation	Approval	Approval
	JILI		Section A		Initial Chief Eng	Action De Chie	escription Eng	Sign & Date	Section	on C	Chief Eng	QC Inspector
												-
			,	·								
5. '	,											
·						· · · · · · · · · · · · · · · · · · ·		•				
10.				٠					\$1 ×			:
, 'age -												·
*.		 		- -								·
				•		•		<			٠.	
			***	*.			; ;;					
	1				.*		* *				ļ	

NO. 264

AWS D17.1.2001 QUALIFICATION TEST RECORD

Name: Barclay Slight Job number: 73035 Part number: 3391-023 Description: M.S. Take Welding Process: Tig[X] Mig[] Base materiel: Lemineem							
Current: AC[X] DC[]							
TES	T REQUIREMENTS AND RESULTS						
Visual: Penetration:	pass[Y fail[] pass[Y fail[]						
<u>UNACCEPTABLE</u>							
Cracks: Undercut: Pin holes:	pass[v] fail[] pass[v] fail[] pass[v] fail[]						
Overlap (cold lap)	pass[V/ fail[] pass[V], fail[]						
Porosity (surface): Coloration:	pass[V] fail[] pass[V] fail[]						
Qualifier fat fee	Date of Test Coupon 1/ 08.31						
Welder Acolay &	wolf Date of Test Coupon 1/-08:3/						

The above named individual is qualified in accordance with AWS D17.1.2001 to weld

Dart Aerospace Li	td
-------------------	----

W/O:		,	W	ORK ORDER CHAN	GES				•	
DATE	STEP	PROCEDURE CHANGE			В	у	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
							:			
Part No:		PAR #:	Fault Category:			_ NCR: Yes No DQA:				
	Re		Disposition:			QA: N/C Closed:				
NCR:	·		WORK ORD	ER NON-CONFORM	IANCE (I	VCR)				
DATE	STEP	Description of NC	Corrective Action Section Initial Action Description			ian P	Verific		Approval	Approval
		Section A	Chief Eng	Action Description Chief Eng		Sign & Date	Section	Section C	Chief Eng	QC Inspector
										-
										·